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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.         | CONFIRMATION NO. |
|---|-------------|----------------------|-----------------------------|------------------|
| 09/833,763  | 04/13/2001  | Hiroshi Isono        | 109246                      | 3912             |
| 25944   | 7590        | 11/03/2006           |                             |                  |
| OLIFF & BERRIDGE, PLC<br>P.O. BOX 19928<br>ALEXANDRIA, VA 22320 |             |                      | EXAMINER<br>KING, BRADLEY T |                  |
|   |             |                      | ART UNIT<br>3683            | PAPER NUMBER     |

DATE MAILED: 11/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/833,763

Applicant(s)

ISONO, HIROSHI

Examiner

Bradley T. King

Art Unit

3683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 8/15/2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-36, 42 and 45-48 is/are pending in the application.
- 4a) Of the above claim(s) 3-6 and 20 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 25-36, 42 and 43 is/are allowed.
- 6) ☒ Claim(s) 1, 2, 7-19, 21-24 and 46-48 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>8-06</u> . | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1-2, 7-19, 21-24 and 46-48 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Independent claim 1 has been amended to require "always increases with an increase of an amount of operation of the brake operating member, and the pressure of the pressurized fluid in the brake cylinder always increases during the normal braking operation with the increase of the amount of operation of the brake operating member." The original disclosure fails to provide support for this limitation. While the disclosure supports an increase with an increase of an amount of operation of the brake operating member, it fails to specify that this is "always" the case.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 7-8, 13, 16, 18-19, and 45 are rejected under 35 U.S.C. 102(b) as being anticipated by DE 3426612.

DE 34 26 612 discloses all the limitations of the instant claims including: a master cylinder including a housing and at least two pressurizing pistons (forming an integral unit 1) which are fluid-tightly and slidably fitted in the housing and which cooperate with the housing to define at least two pressurizing chambers (6-8) which are isolated from each other, and wherein a working fluid in each of the at least two pressurizing chambers is pressurized by an advancing movement of a corresponding one of the at least two pressurizing pistons, a hydraulically operable brake cylinder (near 12) for activating a brake, and a valve device (13-14) having a first state in which the pressurized fluid is delivered from the two pressurizing chambers to the brake cylinder (valves actuated), and a second state (valves un-actuated) in which the pressurized fluid is delivered from only one of the two chambers to the brake cylinder and the fluid is permitted to be discharged from the other of said two pressurizing chambers but none of the fluid discharged from the other of the two pressurizing chambers is permitted to be delivered to said brake cylinder.

Regarding claim 13, valves 13-14 also functions as a cut-off valves.

Regarding claim 22, assisting device 10 functions to boost pressure above that of the master cylinder.

***Allowable Subject Matter***

Claims 25-36 and 42-43 are allowed.

***Response to Arguments***

Applicant's arguments filed 8/15/2006 have been fully considered but they are not persuasive.

Regarding DE 3426612, it is maintained the rejection is proper. It is maintained that antilock braking is readable upon a "normal" braking operation as the braking operation can take place when the system is functioning properly. There also does not appear to be any specific definition for "normal braking" provided in the disclosure.

Regarding the increase of pressure in response to an increase of an amount of operation of the braking operating member, it is maintained that the structure of DE 3426612 necessarily increases brake pressure when the operating member operation amount is increased for each valve state. A translation of the reference while be provided with the next action if it is available.

***Conclusion***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradley T. King whose telephone number is (571) 272-7117. The examiner can normally be reached on 11:00-7:30 M-F.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James McClellan can be reached on (571) 272-6786. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BTK

 10/30/06  
**BRADLEY KING**  
**PATENT EXAMINER**